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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/650,451	08/27/2003	Subhas C. Bose Jayappa Veeramma	011775-013210US 7137	
20350	7590 01/31/2006		EXAMINER	
	ID AND TOWNSEND	NADAV, ORI		
EIGHTH FL	EMBARCADERO CENTER TH FLOOR		ART UNIT	PAPER NUMBER
SAN FRANC	ISCO, CA 94111-3834		2811	
			DATE MAILED: 01/31/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

				47				
		Application No.	Applicant(s)					
Office Action Summary		10/650,451	BOSE JAYAPPA AL.	VEERAMMA ET				
		Examiner	Art Unit					
		Ori Nadav	2811					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be to the apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	N. mely filed n the mailing date of this c ED (35 U.S.C. § 133).					
Status								
1)[X]	Responsive to communication(s) filed on 18 No.	ovember 2005.						
	<u> </u>	action is non-final.						
'=	Since this application is in condition for allowar		osecution as to the	e merits is				
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)🛛	Claim(s) 1-25 is/are pending in the application.							
	4a) Of the above claim(s) <u>4-25</u> is/are withdrawn from consideration.							
•	5) Claim(s) is/are allowed.							
· <u> </u>	6)⊠ Claim(s) <u>1-3</u> is/are rejected.							
•	Claim(s) is/are objected to.	- ala etian en en innerent						
8)[_]	Claim(s) are subject to restriction and/or	r election requirement.						
Applicat	ion Papers							
9)[The specification is objected to by the Examine	r.						
10)⊠ The drawing(s) filed on <u>27 August 2003</u> is/are: a) accepted or b)⊠ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
_	under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
u,	1. Certified copies of the priority documents	s have been received.						
2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the prior application from the International Bureau	ity documents have been receiv		Stage				
* (See the attached detailed Office action for a list		red.					
Attachmen	t(s)	_						
	ce of References Cited (PTO-892)	4) 🔲 Interview Summar Paper No(s)/Mail [
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	5) Notice of Informal 6) Other:		O-152)				
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DETAILED ACTION

Drawings

Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Reference sign 7(b) and corresponding n+ layer, is not depicted in figure 1. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Simonnet (6,818,927).

Simonnet teaches in figure 5 and related text a power device, comprising:

a semiconductor substrate 1 of first conductivity having an upper surface and a lower surface;

a first electrode terminal M2 coupled to a first conductive region 3 provided proximate the upper surface of the substrate, the first electrode terminal being provided over the upper surface of the substrate;

a second electrode terminal M1 coupled to a second conductive region 2 provided proximate the lower surface of the substrate, the second electrode terminal being provided below the lower surface of the substrate;

an isolation diffusion P region 7 of second conductivity provided at a periphery of the substrate and extending from the upper surface to the lower surface of the substrate, the isolation diffusion region having a first surface corresponding to the upper surface of the substrate and a second surface corresponding to the lower surface;

a peripheral junction P+ region 24 of second conductivity formed at least partly within the isolation diffusion region and formed proximate the first surface of the isolation diffusion region,

wherein the peripheral junction region is different than the first and second conductive regions, and

wherein the first and second electrode terminals define a vertical electrical current path there between, and

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wherein the peripheral junction region is provided to compensate the surface depletion of the isolation diffusion region.

Response to Arguments

Applicant argues that figure 1 should not be designated as Prior Art, because it is only conventional and not "prior art".

A conventional device is a device known in the art, and thus can be categorized as a device known as "prior art" device. Therefore, figure 1 should be designated as "prior art".

The rest of applicant's arguments with respect to claims 1-3 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ori Nadav whose telephone number is 571-272-1660. The examiner can normally be reached between the hours of 7 AM to 4 PM (Eastern Standard Time) Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

O.N. 1/27/06 ORI NADAV PRIMARY EXAMINER TECHNOLOGY CENTER 2800

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